

C L A I M S

1. A method for obtaining a chemical composition for de-acidification of cellulose-type material comprising:

preparing a solution of 30 to 70% carbonated magnesium di-n-propylate in

5 n-propanol; and

diluting the solution by addition of a hydrofluorocarbon diluent selected from the group consisting of 1,1,1,2-tetrafluoroethane and 1,1,1,2,3,3,3-heptafluoropropane.

10 2. A method according to claim 1, in which the preparation of said solution of carbonated magnesium di-n-propylate in n-propanol further comprises:

reacting a prepared suspension of magnesium di-n-propylate in n-propanol with dry gaseous carbon dioxide, until a solution of carbonated magnesium di-n-propylate in n-propanol is obtained; and

15 separating the solution of carbonated magnesium di-n-propylate from n-propanol.

3. A method according to claim 2, in which the preparation of said suspension of magnesium di-npropylate in n-propanol comprises:

20 reacting magnesium metal with anhydrous n-propanol in the presence of iodine at a boiling point temperature.

4. A method according to claim 2, in which the preparation of said suspension of magnesium di-npropylate in n-propanol comprises:

reacting magnesium metal with anhydrous n-propanol in the presence of iodine at a reflux temperature and adding toluene to form an azeotrope with n-propanol.

- 5        5. A method according to claim 2, in which the preparation of said suspension of magnesium di-npropylate in n-propanol comprises:
  - reacting magnesium in powder form with a granulometric distribution lying between 50 and 150 m with anhydrous n-propanol in the presence of iodine; and
  - cooling said reaction mixture to a boiling point temperature when hydrogen
- 10      is released.
6. A method for de-acidification of a cellulose-type material, comprising:
  - obtaining a chemical composition comprising a solution of 30 to 70% carbonated magnesium di-n-propylate in n-propanol diluted in a solution of
  - 15      hydrofluorocarbon diluent for de-acidification of cellulose-type material;
  - applying the chemical composition to the cellulose-type material by spray.